

# BRITISH TANKS NOT INVENTED BY ONE MAN; RESULT OF STUDY

(Correspondence Associated Press.)

LONDON, Nov. 23.—No one man or one department of the British government can take credit for "inventing" the tanks—they came into being as the result of a long period of study and co-ordinated effort by many men acting under three separate departments—the war office, the admiralty and the ministry of munitions.

In the autumn of 1914 when the Belgians on the western front had settled down to trench warfare, it became obvious that some means of parrying the danger of well-directed and well-protected machine gun fire from the German trenches must be discovered if the English infantry was to carry out assaults with success.

One of the first proposals put forward was for a machine 100 feet long, 40 feet high and 80 feet wide, weighing some 300 tons, propelled by an 800 horsepower engine, and with driving wheels 40 feet in diameter. Another early suggestion, and one which led most directly to the tanks, was made by Colonel Swinton in October, 1914, to build armored cars on a tractor system, an American invention. Experiments with various tractors were made on behalf of the war office and by a small expert committee of the admiralty under Winston Churchill, then first lord. Through the medium of the committee of imperial defense the various efforts for the

solution of the problem were co-ordinated, and certain conditions were laid down which had to be fulfilled by the proposed car.

From among the numerous types of tractors inspected the most satisfactory was found to be a caterpillar with an endless self-laid track, over which internal driving wheels could be propelled by the engines.

In February, 1916, the first tank was completed and taken down to a farm near London. Here pits, trenches and ramparts had been constructed. The tests were so satisfactory that an order was given on the spot for 100 machines. The ministry of munitions became responsible for the speediest possible construction of the order. Many improvements were made during this period of construction, and the first delivery was made in July, 1916.

The new machines were of two slightly different types. One was called the male type, and was armed with two Hotchkiss quickfiring and a subsidiary machine gun armament. These were designed for dealing at close quarters with the concrete emplacements of German machine guns. The other, or female type, was armed only with machine guns and was more suitable for dealing with machine gun personnel and riflemen.

At the end of July, 1916, the tanks and their crews had become so proficient that it was possible to hold two exhibition combats over a prepared trench system reproducing a line of German defenses.

At the end of August fifty tanks were loaded at night and sent to France. When delivered in France, the tanks only traveled at night, and during the day were covered with a huge tarpaulin and strictly guarded.

The first tanks were all painted in camouflage style for purposes of concealment, and each tank had its own name, like a ship. A whole series of them were named after various drinks, such as Cateau-Lait, Chartreuse, Sabies, Cognac, Champagne, Creme-de-Menthe. Another series bore names of Scotch clans—Clan Cameron, Clan Rathven, Clan Gordon, Clan McTavish.

The tanks first went into action in that portion of the Somme offensive which began on September 15. The object was to drive the Germans out of some high ground running east and south of Thiepval. The effect was as exhilarating on the British troops as it was dumbfounding to the Germans. It is recorded that many of the British infantrymen were so overcome with laughter at their ungainly antics that they were scarcely able to keep up with the procession.

There is no doubt that the element of surprise had much to do with the extraordinary success of the tanks on their first appearance. But their achievements proved that they had more solid qualities than the gift of surprise. Later in the year tanks were sent out to Egypt and were in action at Gaza.

## FIRST ARMY LODGE.

(By Associated Press.)

HELENA, Mont., Dec. 14.—What is declared to be the first army lodge of Masons established during the present war by the state grand lodge has just been constituted by the grand lodge of Montana and designated as Montana Army Lodge No. 1. During the Spanish-American war records show that there were three such lodges, established by the grand lodges of Montana, North Dakota and Kentucky. During the Civil war several state grand lodges constituted such bodies.

Any Mason in good standing who is a member of a lodge in a grand jurisdiction in fraternal relation with the grand lodge of Montana, and who

# MANY INNOVATIONS PROPOSED FOR BIG LEAGUES DURING WAR TIME

(By Associated Press.)

NEW YORK, Dec. 14.—One of the effects of the war is the necessity for a radical readjustment of the professional baseball structure and of the many proposed innovations and curtailments suggested, the limitation of each club roster to eighteen players has aroused the greatest discussion. Magnates in both the major leagues are sharply aligned in favor or opposition to this amendment to the rules and it is likely that there will be considerable controversy before the matter is adjusted.

The proposal is one which permits of much argument with plenty of facts to support the contentions of the debaters. For instance, it has been pointed out that no club is required, at the present time, to carry the full limit of players and might go through the season with fifteen if it so desired. Clubs favoring a maximum of eighteen offer in rebuttal the statement that certain organizations, financially capable of supporting a 25-player team, would under such conditions have a decided advantage over the club which could not afford, in war times, to carry more than twenty at the outside. From other unofficial sources comes the claim that the reduction is advocated by certain clubs, the pennant chances of which would be greatly strengthened if other formidable opponents were forced to cut down their playing staff to conform with the proposed requirements.

The adoption of the rule would also require, in all probability, a change in the national agreement, which at the present time places a maximum limit of twenty-five players upon the clubs of the American

is a member of the 163rd infantry regiment (Second Montana) may become a companion of the Montana army lodge. The lodge has the right to admit to companionship by affiliation Masons serving in the army and navy of the United States who are regularly affiliated with lodges holding charters from the grand lodge of Montana, or if affiliated with lodges outside the state and are citizens of the state.

Jones' pure apple cider at Hall Liquor company. Just arrived. Six bits a gallon. advN231f

and National leagues during the greater portion of the playing season. This is further reduced to twenty-two in the case of the National league through a regulation in force in the senior organization, while the American league holds to twenty-five.

One baseball authority brings out the point that the cost of maintaining a big league team has increased tremendously in the past twelve months and is likely to advance still further during the season of 1918. The charge for hotel accommodations and meals, both on the trains and while playing in rival cities, have reached figures far beyond those existing in previous years. The war tax alone on railroad and Pullman reservations will add something like 18 per cent to the transportation charges of travelling teams.

That numerous pennants have been won in past years by clubs with considerable less than the number of

players allowed at this time is shown by a search of the records of the national game. During the early '70s National league teams played through the season without approaching the 18-player total. The first of the American league clubs ranged from seventeen to twenty.

A fair line on the number of players used in recent years can be gained from the lists of eligibles for the world series as promulgated by the national commission each season since 1905. The teams, of course, in each case were the winners of their respective league pennants and yet the records disclose that there has been hardly a case where the full number of eligibles were actually called into action. Eighteen players registered by the New York Giants and the Philadelphia Athletics in 1905 is the minimum and the average for the entire thirteen years in twenty-two and a fraction players per team.

NEW TODAY

NEW TODAY

## Few Women of Today Work Blindly

Used to be that daughters adhered strictly to mothers' methods of home management. They used certain baking recipes simply because they were favorites of former generations.

Times have changed radically. Colleges and clubs have been established for the express purpose of determining just which baking method and baking materials are best.

Many domestic scientists devote their lives to research and experimental work. They are constantly testing food products. They conduct exhaustive comparative tests. They accept and endorse only such methods and baking processes as have been found superior through scientific measurement of merit. These decisions are given wide publicity. The result is that the housewife of today produces more wholesome and perfect bakings at less cost than ever before.

I have conducted many experiments and have investigated experiments conducted by scores of other domestic scientists. My own work and the decisions handed down by other pure food specialists and domestic scientists—bring out the evidence that the overwhelming majority employ and advocate the use of one special brand of baking powder—which proves once more the old saying that "there is only one best."

I know that this baking powder has won its popularity among experts on merit alone. Because I know that they show no partiality. To obtain their approval a product must possess superiority. And that superiority must cover every phase of baking powder quality of material and action. It must be absolutely sure in results—never fail. It must be perfectly pure—leave no harmful residue in the foods. It must produce the best grade of bakings—cakes, biscuits, etc. that are light, tender and tasty. Finally—it must be a baking powder that is economical in both cost and use.

Calumet Baking Powder is the one baking powder that has won the verdict of superiority and the hearty endorsement of expert domestic scientists—who like myself have proved Calumet's super-excellence beyond dispute. This superiority "sanctioned" as it is by eminent domestic science authorities certainly clearly indicates that Calumet gives the housewife the greatest of Baking Powder value.

Maudie Marie Costello

NOTE—Miss Costello is already well known to most of the ladies of our city. She is of the Domestic Science Branch of the University of Chicago, a graduate of Lewis Institute, Supervisor of Domestic Science in Public Schools, Special Lecturer on Domestic Arts and Economy, Special Lecturer to the Women's Clubs.

We are publishing a series of her most important articles.

## LAWYER REBUKED IN ARGUMENT ON DRAFT CONSTITUTIONALITY

(By Associated Press.)

WASHINGTON, Dec. 14.—A scathing rebuke administered by Chief Justice White to one of the lawyers attacking the law enlivened argument before the supreme court yesterday in cases testing the constitutionality of the army draft act.

J. Gordon Jones, representing Albert Jones, convicted in Georgia of failing to register, declared the law was unconstitutional because it required men to take part in a war which had never received the people's approval. His remarks were cut short.

"I don't think your statement has anything to do with the legal arguments," said the chief justice sharply, "and should not have been said to this court. It is a very unpatriotic statement to make."

The attorney apologized and continued his argument.

### PROHIBIT DUELLING.

(By Associated Press.)

BERLIN, Dec. 14.—Prohibition of duelling in the German army and navy is urged by the newspaper Germania in commenting upon the order issued by Emperor Charles of Austria, forbidding the practice in the Austro-Hungarian army and navy.

"This inhibition," says Germania, "will awaken an echo of satisfaction in the widest circles in Germany and will give renewed expression to the repeated command that competent officials put an end to this duelling nonsense in Germany. Nothing can be achieved with half measures and nothing short of an order prohibiting duelling without restriction or reservations will prevent further sacrifices through this antiquated method of reestablishing honor."

Hot Tom and Jerry at the Bank Buffet.

### "OFFICIAL VISITANT."

PHILIPSBURG, Mont., Dec. 14.—Reviving a Civil war custom, Frank D. Brown of this city, a veteran of the Confederate army, has been appointed by Gov. Sam V. Stewart as his official representative to visit Montana soldiers in the field, and has been designated as official visitant to Camp Lewis.

Mr. Brown came to Montana territory in 1865 and has been prominent in the affairs of the territory and state since. He was largely instrumental in obtaining the erection of a string of monuments from Fort Benton to the Idaho line, which will mark the course of the Mullen military road from the head of navigation on the Missouri river to old Fort Walla Walla in Washington.

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